

549,482

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number  
**WO 2004/082714 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 39/395**,  
C07K 16/24, G01N 33/53

THE UNIVERSITY OF OKLAHOMA [US/US]; 660  
Parrington Oval, Suite 201, Norman, OK 73019 (US).

(21) International Application Number:  
PCT/US2003/023838

(72) Inventors; and

(75) Inventors/Applicants (for US only): LANE, Thomas,  
E. [US/US]; 76 Harvey Court, Irvine, CA 92612 (US).  
CARR, Daniel, J. [US/US]; 11 Crosstimber Trail, Ed-  
mond, OK 73034 (US).

(22) International Filing Date: 29 July 2003 (29.07.2003)

(74) Agents: GUY, Pamela, M. et al.; 4370 La Jolla Village  
Drive, 7th Floor, San Diego, CA 92122 (US).

(25) Filing Language: English

(81) Designated States (national): AU, CA, JP, US.

(26) Publication Language: English

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(30) Priority Data:  
60/456,028 17 March 2003 (17.03.2003) US  
60/483,189 26 June 2003 (26.06.2003) US

(71) Applicants (for all designated States except US): THE  
REGENTS OF THE UNIVERSITY OF CALIFORNIA  
[US/US]; 1111 Franklin Street, 12th floor, Oakland, CA  
94607-5200 (US). THE BOARD OF REGENTS OF

(54) Title: METHODS FOR TREATING OCULAR INFLAMMATION BY NEUTRALIZING CXCL10 ACTIVITY

(57) Abstract: The invention provides a method of reducing ocular inflammation in an individual susceptible to ocular inflammation. The method involves administering to the individual an effective amount of a neutralizing agent specific for CXCL10. Also provided is a method for reducing spread of viral infection within ocular tissues of an individual susceptible to ocular viral infection, which involves administering to the individual an effective amount of a neutralizing agent specific for CXCL10. Further provided is a method of extending corneal graft survival following corneal transplantation in an individual, which involves administering to said individual an effective amount of a neutralizing agent specific for CXCL10. Additionally, the invention provides a method for identifying a compound for reducing ocular inflammation in an animal.

WO 2004/082714 A1